

CLAIMS:

1. A computerised identity matching management process for the supply of a pharmaceutical substance to an authorised person, the process comprising the steps of:

5 identifying a person who is requesting the supply of the substance, comprising the steps of:

a management computer receiving a request, from capture apparatus waiting to commence a biometric capture process representative of the person to initiate the capture process;

10 the management computer responding to the request to return a message to the capture apparatus at a first instant in time, the message containing a unique code, and where receipt of the message containing the code at the capture apparatus causes initiation of the capture process;

15 the management computer, after returning the message, receiving a captured biometric representative of the person from the capture apparatus coded with the code, at a second instant in time; and

20 the management computer operating, when the second instant is less than a predetermined time later than the first instant, to decode the captured biometric and initiate a matching process to find a match for the decoded captured biometric against stored biometric records and to retrieve an identification code representative of the person when a match is found;

25 retrieving a date stamp and using the identification code to retrieve a stored data record of the person which includes at least a substance the person is prescribed, a quantity in which the substance is to be supplied and a date at which the substance is to be supplied;

determining whether the date stamp matches the date at which the substance is to be supplied, and

if a match is determined, supplying the substance in the prescribed quantity and recording information to form a record to update the supply of the substance to the person.

30 2. The process according to claim 1, where the biometric records are securely stored within the management computers cache.

3. The process according to claim 1 or 2, where the stored data records are logically separate from the biometric records.

5 4. The process according to any one of the preceding claims, where the stored data records are physically separate from the biometric records.

10 5. The process according to any one of the preceding claims, where the matching process includes generating a template image of the decoded captured biometric for matching against stored biometric records.

15 6. The process according to claim 5, where the stored biometric records include a biometric enrol template of the left iris, a biometric enrol template of the right iris, and the identification code.

7. The process according to claim 6, where the stored biometric records further include a portrait image of the person.

20 8. The process according to any one of the preceding claims, where the stored data records include a patient database and a prescriber database.

9. The process according to claim 8, where the stored data records further include a drug register database and a supplier database.

25 10. The process according to any one of the preceding claims, further including the step of enrolling a person into a program so that the person is authorised to receive the substance.

30 11. The process according to claim 10, where the step of enrolling the person includes:
a management computer receiving a request, from capture apparatus waiting

to commence a biometric capture process representative of the person to initiate the capture process;

the management computer responding to the request to return a message to the capture apparatus at a first instant in time, the message containing a unique code, and where receipt of the message containing the code at the capture apparatus causes initiation of the capture process;

the management computer, after returning a message, receiving a captured biometric representative of the person from the capture apparatus coded with the code, at a second instant in time;

the management computer operating, when the second instant is less than a predetermined time later than the first instant, to decode the captured biometric;

generating an identification code representative of the person; and

storing a biometric record of the person's captured biometric with the identification code.

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12. The process according to claim 11, wherein prior to storing a biometric record of the captured biometric, the management computer performing a fraud check to ensure the person is not already enrolled on the system.

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13. The process according to claim 11 or claim 12, wherein having decoded the captured biometric, the management computer transforming the captured biometric into an enrolment template in order to store a biometric record of the person's captured biometric.

14. The process according to any one of the preceding claims, where the predetermined time is determined according to the time required for the biometric capture process.

15. The process according to any one of the preceding claims, where the substance is a controlled substance.

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16. The process according to any one of the preceding claims, where the method

further includes the step of identifying a prescriber who is prescribing the substance comprising the steps of:

a management computer receiving a request, from capture apparatus waiting to commence a biometric capture process representative of the prescriber to initiate the capture process;

5 the management computer responding to the request to return a message to the capture apparatus at a first instant in time, the message containing a unique code, and where receipt of the message containing the code at the capture apparatus causes initiation of the capture process;

10 the management computer, after returning the message, receiving a captured biometric representative of the person from the capture apparatus coded with the code, at a second instant in time; and

15 the management computer operating, when the second instant is less than a predetermined time later than the first instant, to decode the captured biometric and initiate a matching process to find a match for the decoded captured biometric against stored biometric records and to retrieve an identification code representative of the prescriber when a match is found.

17. The process according to any one of the preceding claims, where the method 20 further includes the step of identifying a supplier who supplies the substance to the person comprising the steps of:

a management computer receiving a request, from capture apparatus waiting to commence a biometric capture process representative of the supplier to initiate the capture process;

25 the management computer responding to the request to return a message to the capture apparatus at a first instant in time, the message containing a unique code, and where receipt of the message containing the code at the capture apparatus causes initiation of the capture process;

30 the management computer, after returning the message, receiving a captured biometric representative of the person from the capture apparatus coded with the code, at a second instant in time; and

the management computer operating, when the second instant is less than a predetermined time later than the first instant, to decode the captured biometric and initiate a matching process to find a match for the decoded captured biometric against stored biometric records and to retrieve an identification code representative of the supplier when a match is found.

18. A computerised identity matching management system for the authorised supply of a pharmaceutical substance to an authorised person, comprising:

10 a data depository for storing data records which include, for each person, at least the substance a person is prescribed, the quantity in which the substance is to be supplied and the date at which the substance is to be supplied;

15 a management computer programmed to:

receive a request, from capture apparatus waiting to commence a biometric capture process, to initiate the capture process to identify a person who is requesting the supply of a substance;

20 respond to the request to return a message to the capture apparatus at a first instant in time, the message containing a unique code, and where receipt of the message containing the code at the capture apparatus causes initiation of the capture process;

25 after returning the message, receiving a captured biometric from the capture apparatus coded with the code, at a second instant in time; and

when the second instant is less than a predetermined time later than the first instant, to decode the captured biometric;

30 an authentication server to perform a matching process to find a match for the decoded captured biometric against stored biometric records and to retrieve the identification code representative of the person who is requesting the supply of a pharmaceutical substance when a match is found, the server further retrieving a date stamp and using the identification code to retrieve the person's stored data record to determine whether the date stamp matches the date at which the substance is to be supplied, and if a match is determined updating the person's stored data record relating to the supply of the substance in the prescribed quantity to the person.

19. The system according to claim 18, where the data records stored in the data depository are logically separate from the biometric records.

20. The system according to claim 18 or claim 19, where the data records stored in
5 the data depository are physically separate from the biometric records which are stored within the management computers cache.

21. The system according to any one of claims 18 to 20, where the stored data records include a patient database and a prescriber database.

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22. The system according to claim 21, where the stored data records further include a drug register database and a supplier database.

23. The system according to any one of claims 18 to 22, further comprising a
15 privacy protection layer between the management computer and at least the capture apparatus.